



MSTRS Update

Clean Air Act Advisory Committee

September 20, 2007

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Highlights of Yesterday's Meeting

- EPA's new MOVES model
- Clean Diesel and Retrofit
- Innovative financing for Retrofits and Fuel Economy improvement technologies for freight industry
- Mobile Source modeling in Ozone NAAQS RIA
- EPA's GHG rule
 - Industry perspectives from LD, HD, Fuel, Renewables and Enviro
 - (You'll hear a separate presentation about EPA GHG activities this afternoon)

Perspectives on GHG Rule

- LD – Technology pathways and possibilities; near and long term
 - Potential for LD diesel in the US
 - Need strong market signals
- HD – Non-integrated industry
 - Strong competition on fuel economy
- Oil – Need for tiered regulatory program and standards based on realistic parameters

Perspectives on GHG Rule (cont)

- Biofuels– Ability to ramp up ethanol production
 - Working on making biomass plants operational and cost-effective in 2012-2017 timeframe
- Enviros-- use a CO₂ or GHG metric; set regulations to protect public health and welfare; assess benefits of programs globally and in the U.S.

Hydraulic Hybrid Demonstration Project

- Benefits of Hydraulic Hybrids
 - High fuel economy
 - Low incremental cost
 - Short payback to owner
 - High lifetime-savings
 - Very low emissions
 - Enables unique high-efficiency engines
- Yard Hostler Demonstration-APM Terminals, Ports of NY/NJ, Rotterdam, EPA
 - 50-60% efficiency improvement in port operation
 - Fuel savings of \$23,000 over 7 years
 - Will accelerate technology transfer to industry



Clean Diesel Outreach

